Index of Claims

Application/Control No.

Applicant(s)/Patent under Reexamination

10/613,635

Examiner

BALL ET AL.
Art Unit

Khoi H. Tran

3651

| √ | Rejected |
|---|----------|
| = | Allowed  |

(Through numeral) Cancelled

N Non-Elected

A Appeal

÷ Restricted

I Interference

O Objected

| Cla       | aim      | Date     |          |              |          |          |              | $\perp$       | Cla             | im       |   | Date     |           |          |          |          |          |          |          |          | aim       | Date     |          |            |           |           |                 |                 |                |               |
|-----------|----------|----------|----------|--------------|----------|----------|--------------|---------------|-----------------|----------|---|----------|-----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|------------|-----------|-----------|-----------------|-----------------|----------------|---------------|
| Final     | Original | 3/30/06  |          |              |          |          |              |               |                 |          | i   | Final    | Original  |          |          |          |          |          |          |          |           |          | Final    | Original   |           |           |                 |                 |                |               |
|           | 1        | 1        |          |              |          |          |              |               |                 |          |   |          | 51        |          |          |          |          |          |          |          |           |          |          | 101        |           |           |                 |                 |                |               |
|           | 2        |          |          | _            |          |          | L            |               |                 |          |   |          | 52        |          |          | [        |          |          |          |          |           |          |          | 102        |           |           |                 |                 |                |               |
|           | 3        | /        | L        | $oxed{oxed}$ |          |          |              |               | _               | _        |   |          | 53        |          | _        |          |          |          |          |          | _         |          |          | 103        | _         |           |                 |                 |                |               |
|           | 4        | /        |          |              |          |          | <u> </u>     | ļ.,           | _               | _        | L   |          | 54        |          | _        | _        | _        |          |          | Ш        |           |          |          | 104        | _         |           | _               | _               |                | $\perp \perp$ |
|           | 5        |          | ļ        | <u> </u>     |          | <u> </u> | <u> </u>     | <u> </u>      | _               | _        | -   | _        | 55        | _        | _        | _        | _        |          |          |          | _         | _        |          | 105        | _         | $\square$ | _               |                 | Ш              |               |
|           | 6        |          | <u> </u> | $\vdash$     |          |          | ├            | ⊢             | L               |          | $\vdash$  | $\dashv$ | 56        |          | $\dashv$ |          | -        | $\dashv$ |          | $\dashv$ |           | $\dashv$ |          | 106        |           | Ш         | _               | Ш               | _              |               |
| -         | 7<br>8   |          | <u> </u> | _            |          | _        | -            | -             | $\vdash$        | $\dashv$ | -   |          | 57        | $\dashv$ | -        | -        | $\dashv$ |          |          | _        |           |          |          | 107        | -         | Н         | _               | Ш               | Н              | $\vdash$      |
|           | 9        | $\vdash$ | ┝        |              | -        |          | ├            | ⊢             | H               |          | _   | $\dashv$ | 58<br>59  |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | _        | $\dashv$ |           | -        |          | 108<br>109 | $\dashv$  | $\vdash$  | $\vdash$        | Н               | -              | $\vdash$      |
| -         | 10       | -        | -        |              | $\vdash$ | _        | ┝            | ⊢             | -               | $\dashv$ | -   | $\dashv$ | 60        | $\dashv$ |          | -        | $\dashv$ | $\dashv$ |          |          | $\dashv$  |          |          | 110        | $\dashv$  | $\vdash$  | $\vdash$        | $\vdash$        |                | $\vdash$      |
|           | 11       | $\vdash$ | $\vdash$ |              | Н        | _        | $\vdash$     | ┢             | -               | $\dashv$ | -   | -1       | 61        | $\dashv$ | -+       | ┪        | $\dashv$ |          | -        |          | $\dashv$  | $\dashv$ | $\vdash$ | 111        | $\dashv$  |           | H               | -               |                | +             |
|           | 12       |          | $\vdash$ | H            | $\vdash$ | _        | -            | ╁╴            | H               | $\dashv$ | -   |          | 62        |          | $\dashv$ | ┪        |          | $\dashv$ |          |          |           | $\dashv$ | -        | 112        | $\neg$    | $\dashv$  | H               | H               | Н              |               |
| <u> </u>  | 13       | Н        |          |              |          |          | _            | <del> -</del> |                 | $\dashv$ | _   | $\dashv$ | 63        | $\dashv$ | -        | -        | 一        | $\dashv$ | -        |          | -         | $\dashv$ |          | 113        | $\dashv$  | -         | Н               | $\vdash$        | Н              | +             |
|           | 14       | $\vdash$ | _        | H            |          | -        | <u> </u>     | 1             |                 | $\dashv$ |   | $\neg$   | 64        |          | 7        | ᅥ        | -        | -        | ٦        | $\vdash$ |           | $\dashv$ | -        | 114        |           | $\neg$    | $\vdash$        | Н               | H              | $\vdash$      |
|           | 15       | Г        |          |              |          |          |              | Г             |                 | $\neg$   | _   |          | 65        |          | 7        | 一        |          | $\neg$   |          |          | 寸         | $\neg$   |          | 115        | _         | $\neg$    | H               |                 | Н              |               |
|           | 16       |          |          |              |          |          |              |               |                 | $\neg$   |   |          | 66        |          | 7        | 寸        | $\neg$   |          |          |          | 寸         | $\neg$   |          | 116        |           |           |                 |                 | П              |               |
|           | 17       |          |          |              |          |          |              |               |                 | $\neg$   |   |          | 67        |          | 一        | $\neg$   | $\neg$   | $\neg$   |          |          | コ         | $\neg$   |          | 117        |           | П         | П               | П               |                |               |
|           | 18       |          |          |              |          |          |              |               |                 |          |   |          | 68        |          | $\neg$   |          |          | $\neg$   |          |          | T         |          |          | 118        |           |           | П               |                 | П              |               |
|           | 19       |          |          |              |          |          |              |               |                 |          |   |          | 69        |          |          |          |          |          |          |          |           |          |          | 119        |           |           |                 |                 |                |               |
|           | 20       |          |          |              |          | Ш        |              |               |                 |          |   |          | 70        |          |          |          |          |          |          |          |           |          |          | 120        |           |           |                 |                 |                |               |
|           | 21       | Ш        |          |              |          |          |              |               |                 | _        |   |          | 71        |          |          |          |          |          |          |          |           |          |          | 121        |           |           |                 |                 |                |               |
|           | 22       | Ш        |          | Щ            | Щ        |          | L            | _             |                 | _        | L   |          | 72        |          | _        | _        | _        | _        | _        |          | _         | _        |          | 122        |           |           |                 |                 |                |               |
|           | 23       |          | _        |              |          | _        |              | _             | Ш               | _        | _   |          | 73        | _        | _        | _        |          | _        |          |          | _         | _        |          | 123        |           |           |                 |                 |                |               |
|           | 24       |          |          | _            | -        | _        | <u> </u>     | <u> </u>      | Ш               | _        | <u>_</u>  |          | 74        |          | _        |          | _        | _        |          |          | _         | _        |          | 124        | _         |           |                 | Ш               | Ш              |               |
| $\vdash$  | 25       | _        |          |              | _        |          | ļ            | <u> </u>      | Ш               | _        | $\vdash$  | _        | 75        | _        |          |          | _        | _        | _        | $\dashv$ | _         | _        | <u> </u> | 125        | _         |           | Ш               |                 |                |               |
| $\vdash$  | 26       |          |          |              | $\Box$   | _        | _            | _             | Н               |          | $\vdash$  | _        | 76        | _        | -        | 4        |          |          |          | $\dashv$ |           | 4        | -        | 126        | _         |           | <b> </b>        | $\sqcup$        | lacksquare     | $\perp \perp$ |
| -         | 27<br>28 | -        | _        |              | $\vdash$ | _        | ⊢            | <u> </u>      | $\vdash$        | -        | $\vdash$  | $\dashv$ | 77        | -        |          |          |          |          |          |          |           | $\dashv$ | -        | 127        | -         | -         | $\vdash$        | _               | $\vdash$       | $\dashv$      |
| _         | 29       | -        |          |              | -        |          | ┝            |               | H               |          | $\vdash$  | $\dashv$ | 78<br>79  | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ |          | $\dashv$ | -         | $\dashv$ | -        | 128        | $\dashv$  | -         | $\vdash \vdash$ | Н               | Н              |               |
| -         | 30       | -        |          | -            | $\vdash$ |          | ┝            | H             | Н               | $\dashv$ | $\vdash$  |          | 80        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        |          | $\dashv$  | -        | -        | 129<br>130 |           | $\dashv$  | $\vdash$        | Н               | $\vdash$       |               |
| -         | 31       | -        | _        | -            |          |          | $\vdash$     | ┝             | Н               |          | $\vdash$  | $\dashv$ | 81        | $\dashv$ | $\dashv$ | $\dashv$ | ╌┤       | $\dashv$ | -        |          | $\dashv$  | -        | $\vdash$ | 131        |           |           | $\vdash$        | Н               | $\vdash$       | -             |
|           | 32       | H        |          | Н            | -        |          | <del> </del> | $\vdash$      | H               | $\dashv$ | -   | $\neg$   | 82        | $\dashv$ | $\dashv$ | $\dashv$ | ┥        |          |          | $\dashv$ | $\dashv$  | $\dashv$ | -        | 132        | $\dashv$  |           | $\vdash$        | Н               | $\vdash\vdash$ | +             |
|           | 33       | -        |          | Н            | $\vdash$ |          | 一            | Г             | H               | $\dashv$ | $\vdash$  | $\dashv$ | 83        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | ᅥ        |          |          | $\dashv$  | $\dashv$ | -        | 133        | -         | $\dashv$  | Н               | Н               | $\vdash$       | +             |
|           | 34       | П        |          | П            |          |          | Т            | Г             |                 | $\dashv$ | $\vdash$  | $\neg$   | 84        | $\dashv$ | 1        | $\dashv$ | $\dashv$ | ᅱ        | $\dashv$ |          | $\dashv$  | $\dashv$ | -        | 134        |           | $\dashv$  | Н               | H               | Н              |               |
|           | 35       | П        |          | $\Box$       |          |          | Ι            |               |                 |          |   | $\neg$   | 85        | $\neg$   | 1        |          | $\dashv$ | ᅱ        | $\dashv$ | $\neg$   | $\dashv$  | $\dashv$ |          | 135        | $\dashv$  | $\dashv$  | М               | Н               | $\sqcap$       | $\dashv$      |
|           | 36       |          |          | П            |          |          |              |               |                 | $\neg$   |   | $\neg$   | 86        | $\neg$   | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\neg$   |          |           | $\dashv$ |          | 136        | $\neg$    |           | Г               | H               | П              | -             |
|           | 37       |          |          |              |          |          |              |               |                 |          |   | $\neg$   | 87        | $\neg$   | $\dashv$ | 7        | $\neg$   | $\dashv$ | $\neg$   |          | $\neg$    | $\neg$   |          | 137        | $\dashv$  | $\neg$    | $\Box$          | М               | П              | _             |
|           | 38       |          |          |              |          |          |              |               |                 |          |   |          | 88        |          |          |          |          |          |          |          |           |          |          | 138        |           | $\neg$    | П               | П               |                | $\neg \vdash$ |
|           | 39       |          |          |              |          |          |              |               |                 |          |   |          | 89        |          |          |          |          |          |          | _        | 1         |          |          | 139        |           |           | П               | П               | $\Box$         | $\top$        |
|           | 40       |          |          |              |          |          |              |               |                 |          |   |          | 90        |          |          | J        |          |          |          |          |           |          |          | 140        |           |           |                 |                 |                |               |
|           | 41       | Ш        |          |              |          |          |              |               |                 | _]       |   |          | 91        |          | $\Box$   | J        |          |          |          |          |           |          |          | 141        |           |           |                 |                 |                |               |
|           | 42       |          |          | Щ            |          |          | Ш            |               | Ш               | _        | L   |          | 92        | $\bot$   | _[       |          |          | $\Box$   |          |          | $\exists$ | _        |          | 142        | $oxed{J}$ |           |                 |                 |                |               |
|           | 43       | Ш        |          |              |          |          | Ш            |               | $\sqcup$        | _        | $\vdash$  |          | 93        | _        | _        | ļ        | _        | _        |          |          | _         |          | L        | 143        | ┙         | $\Box$    | $\sqcup$        | $\sqcup$        | Ш              | $\perp$       |
| $\square$ | 44       | $\sqcup$ |          | $\sqcup$     |          |          | Ш            |               |                 | $\dashv$ | $\vdash$  |          | 94        | _        | _        | _        | _        | _        | _        |          | _         |          | <u></u>  | 144        | _         |           | Ш               | Ш               |                | $\perp$       |
| $\vdash$  | 45       | $\sqcup$ | Щ        | $\vdash$     | _        | _        | _            | -             | $\vdash \dashv$ | _        | $\vdash$  | _        | 95        |          | 4        | _        | _        | _        | _        | _        | _         | _        |          | 145        | _         |           | $\sqcup$        | Ш               |                | $\dashv$      |
| $\vdash$  | 46       | $\vdash$ |          | $\vdash$     | _        |          | $\vdash$     | $\vdash$      | $\sqcup$        | $\dashv$ | $\vdash$  |          | 96        | -        | $\dashv$ |          | _        | 4        |          | _        | _         | _        |          | 146        | _         |           | ot              | $\sqcup$        | $\sqcup$       |               |
| $\vdash$  | 47       |          | -        | $\vdash$     | $\dashv$ | _        | $\vdash$     | H             |                 | $\dashv$ | <b>—</b>  |          | 97        | $\dashv$ |          |          | -        | _        | _        | <b>_</b> | 4         | _        |          | 147        | _         | $\dashv$  | <b> </b>        | Ш               | $\sqcup$       |               |
|           | 48<br>49 |          |          | $\vdash$     | -        | _        | -            |               | $\vdash$        | $\dashv$ | $\vdash$  | -        | 98        | -        | $\dashv$ | -        |          | $\dashv$ | -        | 4        |           |          |          | 148        | 4         | _         | Ш               | Ш               | $\sqcup$       | -             |
| -         | 50       | $\vdash$ | _        | $\vdash$     |          | _        | Н            |               |                 | $\dashv$ | $\vdash$  | -        | 99<br>100 | -        | $\dashv$ | -        | -}       | $\dashv$ |          | _        | 4         | $\dashv$ |          | 149        | _         |           |                 | $\vdash \vdash$ | $\vdash$       | $\dashv$      |
| L         | 50       |          |          |              | _        | _        |              | L             |                 |          | $ldsymbol{le}}}}}}$ |          | 100       |          |          | 1        | _1       |          |          | $\Box$   |           |          | L        | 150        |           |           |                 | Ш               | Ш              |               |